

ABSTRACT OF THE DISCLOSURE

A tube bundle heat exchanger has been carried out, wherein a bearing structure (2) defines at least a primary chamber (3), which is crossed by tubes (4) made of a non-solderable material. A secondary chamber (5) is put in fluid connection with such tubes (4) and is fluid proof with respect to the main chamber (3). Furthermore a tube plate (6), showing the adequate seats (7) for housing the ends of said tubes (4) and a containing plate (9), showing respective holding seats (10) for each tube (4) and for the contemporary housing of sealing means (8), are provided. Finally a third clamping plate (11) is provided, which abuts on the containing plate (9), in order to allow deformation and to prevent blow-by through such sealing means (8).

(Fig. 2)